"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

L 22592-66

ACC NR: AP6013001 SOURCE CODE: UR/0105/65/000/006/0091/0091

AUTHOR: Andrianov, V. N.; Budzko, I. A.; Venikov, V. A.; Demin, A. V.; Gorodskiy, D. A.; Grudinskiy, P. G.; Zakharin, A. G.; Krasnov, V. S.; Levin, M. S.; Listov, P. N.; Markovich, I. M.; Mel'nikov, N. A.; Nazarov, G. I.; Razevig, D. V.; Smirnov, B. V.; Stepanov, V. N.; Syromyatnikov, I. A.; Fedoseyev, A. M.; Yakobs, A. I.

ORG: none

35
13

TITLE: Doctor of technical sciences, Professor L. Ye. Ebin (on the occasion of his 60th birthday

SOURCE: Elektrichestvo, no. 6, 1965, 91

TOPIC TAGS: scientific personnel, electric network, lightning

ABSTRACT: Professor Lev Yefimovich Ebin, 60, graduated in 1928 from the Kiyevskiy elektrotekhnicheskiy institut (Kiyev Electrotechnical Institute). Between 1929 and 1936, he worked in the Donenergo system and published various original papers on lightning protection and grounding devices. From 1936 EBIN works at the Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii sel'skogo khozyaystva (All-Union Scientific Research Institute for the Electrification of Agriculture) where he heads a laboratory. In 1937, he defended his candidate's dissertation and in 1951 his Ph. D. Thesis dealing with studies of the nonsymmetrical operating conditions of electrical networks and of stationary and nonstationary electro-thermal processes in the

Card 1/2 UDC: 621.31

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L 22592-66

ACC NR: AP6013001

country. These works served for further development of the rural distribution networks. He showed considerable interest in the problem of the raising of scientific personnel. Ebin was decorated with "Znak pocheta" and various medals. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09 / SUBM DATE: none

Card 2/2 Ga

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

L 22150-66
ACC NR: AP6012965 SOURCE CODE: UR/0143/65/000/007/0013/0020

AUTHOR: Budzko, I. A. (Candidate of technical sciences; Academician VASKhNIL) Pronnikova, M. I.

ORG: Moscow Institute of Agricultural Engineering (Moskovskiy institut inzhenerov sel'skokhozyaystvennogo proizvodstva)

TITLE: Method of two boundary points for calculating short-circuit currents in steel-wire systems

SOURCE: Izvestiya vysshikh uchebnykh zavedeniy. Energetika, no. 7, 1965, 13-20

TOPIC TAGS: electric impedance, electric current, boundary value problem, wire, steel

ABSTRACT: Steel-wire power systems are used on a fairly broad scale in Soviet agriculture. The calculation of short-circuit currents in these systems is fairly difficult in view of the nonlinear dependence of their impedance on the current flow. In this connection, the authors propose simplified methods of calculating these currents according to two boundary values of the current: I_{kI} in the absence of increment in steel-wire impedance; and I_{kII} in the presence of maximum increments in steel-wire impedance. On this basis, the appropriate equations are derived. It is shown how allowance can be made for the maximum error due

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

L 22150-66

ACC NR: AP6012965

to the nonlinear increment in steel-wire impedance and how the time factor can be taken into account. The compensation method and nomogram for calculating short-circuit currents when power is supplied by a large grid are described. The evaluation of maximal errors with respect to current owing to the increment in steel-wire impedances during a short circuit may be determined over a broad range of currents (70-200 a) for 10 kv systems by means of the formula $\Delta I\% = \sqrt{3}(\ell$, where $(\ell$ is the overall length of successive steel-wire segments. Orig. art. has: 6 figures and 13 formulas. [JPRS]

SUB CODE: 09 / SUBM DATE: 25May64 / ORIG REF: 005

Card 2/2 ddw

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

L 11548-66 EWT(d)/EWP(k)/EWP(1) JT

ACC NR: AP6005028 SOURCE CODE: UR/0105/65/000/001/0091/0091

AUTHOR: Ayvaz'yan, V. G.; Aleksandrov, B. K.; Andrianov, V. N.; Beschinskiy, A. A.; Budzko, I. A.; Zhimerin, D. G.; Krasnov, V. S.; Kruzhilin, G. N.; Kulebakin, V. S.; Listov, P. N.; Markvardt, K. G.; Markovich, I. M.; Popkov, V. I.; Styrikovich, M. A.

ORG: none

TITLE: Professor Andrey Georgiyevich Zakharin

SOURCE: Elektrichestvo, no. 1, 1965, 91

TOPIC TAGS: electric power engineering, electric engineering personnel

ABSTRACT: A short biography of subject on the occasion of his 60th birthday in November 64. A close disciple of Krzhizhanovskiy, he now heads sector of general methodological problems and forecasting at ENIN (Institute of Power Engineering imeni Krzhizhanovskiy), and power engineering section within its scientific council. In 1927-1932, worked in designing and construction of power stations and industrial power installations in the Trans-Caucasus. In 1932, having graduated as electrical engineer from Tbilisi Polytechnical Institute, he switched to scientific work at All-Union Institute of Farm Electrification, and at ENIN since 1944. Became candidate of technical sciences in 1937; doctor, in 1948. Subject is credited with working out the methods for designing efficient and economical regional and local power systems, utilizing local power resources and coordinating them with the power grids. He participated in studies on electrification through 1980, and on

Card 1/2

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L 11548-66

ACC NR: AP6005028

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the application of mathematical methods to solution of problems concerning fuel-power balance. In recent years, he has been concerned with linear programming, and long-term prediction with computer techniques. He authored about 80 scientific works, including monographs, textbooks and handbooks, and has been editing all ENIM publications. Is active in CEMA commissions and GOSPLAN USSR, devoting special attention to coordination of scientific research in power engineering. Has been awarded the Order of the Badge of Merit and other decorations. Orig. art. has: 1 figure.
[JPRS] 14

SUB CODE: 09 / SUBM DATE: none

HW

Card 2/2

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDYNOWSKA, J.

R. PAKULA, F. RABCZYNSKA, [illegible] LOBR MASKI, I. EISYMONT, [illegible],
J. BUDYNOWSKA:-- Antibiotic sensitivity of staphylococci from various groups.
Hospitalization as a factor in spreading of antibiotic resistant staphylococci.

SO: Medycyna Doswiadczalna I Mikrobiologia (Experimental Medicine and Microbiology
Fourth Quarter 1955.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

JELJASZEWICZ, Janusz; CYBULSKA, Janina; FUDZYNOWSKA, Jozefa; JAKOBKIEWICZ, Julia; ZARZYCKA, Zofia; CZARKOWSKA-PELCZYNSKA, Halina.

An epidemic of pharyngitis caused by Streptococcus pyogenes type 12. Przegl. epidemiol. 19 no.1:83-86 '65

1. Z Zakladu Bakteriologii Panstwowego Zakladu Higieny, Stacji Sanitarno-Epidemiologicznej dla m. st. Warszawy i Dzielnicowej Stacji Sanitarno-Epidemiologicznej Warszawa-Ochota.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

PAKULA, Roman; RABCZYNSKA, Felicjz; DOBRZANSKI, Wladyslaw, RYSYMONTT, Irena; SOSNOWSKA, Alicja; BUDZYNOWSKA, Jozefa.

Antibiotic sensitivity of Staphylococcus isolated in various environments; role of hospital environment in spreading of resistant strains. Med.dosw.mikrob. 7 no.4:399-407 1955.

1. Z Panstwowego Zakladu Higieny i Zakladu Mikrobiologii i Higieny Wydz. Farmaceutycznego A.M. w Warszawie.

(MICROCOCCUS PYOGENES, effect of drugs on, antibiotic resist., role of hosp. in spreading of resist. strains)

(ANTIBIOTICS, effects, on Micrococcus pyogenes, role of hosp. in spreading of resist. strains)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

CHRAPOWICKI, Tadeusz; PAKULA, R.; PATZEROWA, T.; BUDZYNOWSKA, J.

Antistreptolysins in children with rheumatic fever. Pediat. polska 30 no.12:1137-1144 Dec 55.

1. Z Oddzialu Wewnetranego Miejskiego Szpitala Dzieciecego Nr. 1. w Warszawie. Kierownik Oddzialu: prof. dr. med. T.Chrapowicki i z Dzialu Ziarenkowcow Panstwowego Zakladu Higieny w Warszawie Kierownik: prof. dr. R.Pakula. Warszawa, Krakowskie Przedmiescie 16/18 m. 27.

(STREPTOLYSIN, antagonists
antistreptolysin in rheumatic fever in child)
(RHEUMATIC FEVER, diag.
antistreptolysin-O test in child)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNOWSKI, Jozef, mgr. inz.

The foundry industry in Krakow Voivodeship. Przegl mech 21 no.9/10:286-287. 10-25 My '62.

1. Fabryka Maszyn Odlewniczych, Krakow.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

KRAKOWSKA-RECHNICOWA, Jadwiga; MARCINIAKOWNA, Ewa; SIWINSKA, Maria; BUDZYNSKA, Agnieszka

Comparison of a case of antihemophilic globulin B deficiency with proconvertin deficiency. Polskie arch. med. wew. 26 no. 9:1425-1437 1956.

1. Z Zakladu Patologii Ogolnej i Doswiadczalnej, Kierownik: prof. dr. med. H. Kowarzyk i z I Kliniki Chorob Dzieciecych Kierownik: prof. dr. med. H. Hirszfeldowa, Akademii Medycznej we Wroclawiu, Adres autora: Wroclaw, ul. Marcinkowskiego 1.

(HEMOPHILIA, case reports,
antihemophilic globulin B defic., comparison with
proconvertin defic. (Pol))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

POL

Polish trees as sources of oil. Ludwik Rozental and Janina Budzyńska. *Roczniki Państwowego Zakładu Hig.* 5, 125–42 (1954).—The authors conducted a study of fruits and seeds of Polish trees with regard to their use as a potential source of edible oils or fats. The following trees and (or) fruit were studied: *Pinus silvestris, Picea excelsa, Abies alba, Fagus silvatica, Fraxinus excelsior, Tilia cordata, T. parvifolia, Ulmus effusa, Ulmus montana.* It is indicated that all specimens studied can be considered as a potential source of edible oils, and that seed cakes can be used for feeding animals, with the exception of *Abies alba* and *Fraxinus excelsior*, which were found to contain toxic substances. A. J. P.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKA, JANINA

Chemical composition of rapeseed oil. Janina Budzyńska. *Roczniki Państwowego Zakładu Hig.* 6, [illegible] (English summary).—Representative and av. values for Polish rapeseed oil are: lower fatty acids 0, higher satd. fatty acids 7.0–21.7, erucic acid 44.13–49.16, oleic acid 15.28–23.13, linoleic acid 13.34–18.81, and linolenic acid 4.49–9.81%. In the Polish oils the content of linoleic and linolenic acids is higher than that in other oils of European origin and the oleic acid is lower. The erucic acid value is about the same. A. I. P.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

ZURKOWSKA, Janina; BUDZYNSKA, Maria; KROSZCZYNSKI, Wojciech; OZAROWSKI, Aleksander

Cardenolide glycosides. V. Studies on a complex of active bodies isolated from Convallaria majalis L. Acta pol. pharm. 20 no.4:329-337 '63.

1. Z Zakladu Związków Naturalnych Instytutu Farmaceutycznego w Warszawie Kierownik Zakładu: dr. A. Ozarowski.
(CONVALLARIA) (CHEMISTRY, PHARMACEUTICAL)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

ZURKOWSKA, Janina; BUDZYNSKA, Maria; OZAROWSKI, Aleksander

Cardenolide glycosides. II. The content of active bodies in Digitalis purpurea L. leaves of domestic origin. Acta pol. pharm. 20 no.2:109-114 '63.

1. Z Zakladu Zwiazkow Naturalnych Instytutu Farmaceutycznego w Warszawie Kierownik Zakladu: Dr A. Ozarowski.
(DIGITALIS GLYCOSIDES)
(CHEMISTRY, PHARMACEUTICAL)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

[redacted], Janina; [redacted], Maria; OZAROWSKI, Aleksander

Cardenolid glycosides. VII. Determination of the purity of digitoxin from various suppliers. Acta Pol. pharm. 21 no.3:307-308 '64

1. Z Zakładu Związków Naturalnych Instytutu Farmaceutycznego w Warszawie (Kierownik: dr. A. Czarowski).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKA, Maria; ZURKOWSKA, Janina; OZAROWSKI, Aleksander

Cardenolid glycosides. XI. Chromatographic analysis of mixture of digitalis glycosides remaining after the separation of lanatosides. Acta Pol. pharm. 21 no.6:519-520 '64

1. Z Zakladu Związków Naturalnych Instytutu Farmaceutycznego w Warszawie (kierownik: dr. A. Ozarowski).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

DOBEK, Stanislaw; BUDZYNSKA-DOBEK, Wladyslawa

Metastases of cervical cancer to the bone. Nowotwory 12 no.3: 221-225 Ag-S '62

1. Z I Kliniki Poloznictwa i Chorob Kobiecych Akademii Medycznej w Krakowie (Kierownik: prof. dr. med. W. Schwarz).

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKA-KOZANECKA, Alicja; PAPKE, Anna

Case of a large ovarian teratoma in 6 year old girl. Pediat. polska 32 no.1:74-76 Jan 57.

1. Z I Kliniki Chorob Dzieciecych A.M. w Poznaniu Kierownik: prof. dr. med. T. Rafinski i z III Kliniki Chirurgicznej A.M. w Poznaniu Kierownik: doc. dr. med. J. Borszewski. Adres: Poznan, ul. Magdaleny 14.

(OVARIES, neoplasms
teratoma in 6 year old girl (Pol))
(TERATOMA, in inf. & child
ovarian, in 6 year old girl (Pol))

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, ANDRZEJ

POL.

Synthesis of the cupric salt of ethyl γ-benzoylacetoacetate. Andrzej Budzyński (Univ. Warsaw). *Roczniki Chem.* 27, 949–54(1953)(English summary).—The action of 8 ml. of CH cond. H_2SO_4 (d. 1.84) on 1 g. of di-Et β-chlorocinnamoylmalonate at −20° for 24 hrs. gave 0.45 g. (47%) *Et α-carbethoxy-γ-benzoylacetoacetate* (I), m. 64° (from petr. ether), which gave a *cupric salt*, m. 178–9° (from benzene), after 10 min. when added to an alc. soln. of $Cu(OAc)_2$. Hydrolyzing I in an autoclave for 15 mm. at 130° and 3 atm., followed by extn. with Et_2O, by evapn. of the Et_2O, and by treatment with an alc. soln. of $Cu(OAc)_2$ gave 0.15 g. (57%) *cupric salt* of *γ-benzoylacetoacetate*, m. 183–4° (from benzene). P. Dreyfuss

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, A.

A. BUDZYNSKI, "Anhydrous hydrogen fluoride as a solvent for albumens." No.1, January 1955, pp. 1-64, Chemical News, Poland.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

Budzynski, A. Z.

POLAND / Analytical Chemistry--Analysis of organic substances. E-3

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49309

Author : Budzynski, A. Z.; Zubrzycki, Z. J.; Campbell, I. G.
Inst : Not given
Title : The Application of Radioactive Isotopes to the Quantitative Chromatographic Determination of Fatty Acids

Orig Pub : Nukleonika, 3, Spec No, 133-144 (1958)

Abstract : By their work on linoleic, oleic, palmitic, and stearic acids, the authors have established the possibility of the application of radioactive isotopes to the quantitative determination of microgram quantities of saturated and unsaturated fatty acids (FA), separated by the method of paper chromatography, and have investigated various conditions for carrying out the determination. The FA are chromatographed for 18 hrs on Schleicher and Schuell

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

POLAND / Analytical Chemistry--Analysis of organic substances. E-3

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49309

598L paper by the ascending method: The fixed phase consists of a 20% solution of Mepasin (a synthetic mixture of hydrogenated higher hydrocarbons with a bromine number of <0.16 and a bp of 180 - 190°) in peroxide-free freshly distilled ether. The mobile phase consists of 90% CH_3COOH saturated with Mepasin. A 2% solution of the FA in ether is used in the separation. In the case of the unsaturated FA the chromatogram is recorded under an atmosphere of N_2, dried for 1 hr at 60° under an atmosphere of N_2, and immersed for 150 min in a vessel filled with a solution containing I 131 (100 ml of iodine-iodate aqueous solution, 0.0022 M in Ni and 0.0044 M in $NaIO_3$, is treated with 6.5 ml of NaI^{131} solution, ca. 5 microcuries/ml, and the resulting solution is acidified with H_2SO_4 to concentration 0.025 M [acid?]. In the range 50 - 300 FA, the radioactivity of the spot

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49309

after correction for the background radioactivity, is directly proportional to the FA content of the spot. The error is ±5%. In the case of the saturated FA, the chromatogram is immersed for 15 min in a solution containing Zr 95 and Nb 95 (a solution of $Zr^{95}(NO_3)_4$ and $Nb^{95}(NO_3)_4$, ca. 3 microcuries/ml Zr 95, is added to a 0.003 M solution of $Zr(NO_3)_4$ of pH 3 - 4.5) and washed in water or immersed for 15 min in 0.06 M CH_3COOAg solution, followed by washing with water and immersion for 15 min in 0.01 M NaI solution containing 4 microcuries/ml I 131, after which the chromatogram is again washed with water and dried in the dark at room temperature. The radioactivity of the spots of the FA salts is measured and the FA content is determined by comparison with a calibration curve. For the visual determination of the position of the spots on the

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

Abs Jour : Ref Zhur - Khimiya, No 14, 1959, No. 49309

chromatogram, the Cu salts of the FA are formed by treatment of the chromatogram with copper ferrocyanide.
-- B. Kolokolov

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Andrzej Z.

Metabolism of fats. Postepy biochem. 4 no.3:379-402 1958.

1. Mgr. kierownik pracowni Zakladu Ochrony Zdrowia Instytutu Badan Jadrowych PAN.

(FATS, metabolism
review (Pol))

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, A. Z.

POLAND/Analytical Chemistry - Organic Analysis. E

Abs Jour : Ref Zhur Khimiya, No 20, 1959, 71271

Author : Budzynski, Andrzey Z., Zubczyski, Zdzislaw J.
Inst : -
Title : Chromatographic Separation of Erucic Acid from Saturated and Unsaturated Higher Catty Acids.

Orig Pub : Roczn. chem., 1958, 32, No 6, 1425-1426

Abstract : To separate erucic acid (I) from saturated and unsaturated higher fatty acids the mixture of acids is chromatographed using the Schleicher and Schull 598L paper, mepasin (II) (mixture of synthetic saturated hydrocarbons) as the stationary phase, and 96% CH_3COOH, saturated with II, as the mobile phase. R_f I 0.22; the stearic acid spot (R_f 0.29) is located closest to zone I. -- N. Turkevich

Card 1/1

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

Radiometric estimation of unsaturated fatty acids on chromatograms. A. Z. Budzyński, Z. J. Zubrzycki, and I. G. Campbell (Radiobiol. Lab., Warsaw). *Nature* 182, 178-9(1958).—Unsatd. fatty acids, sepd. by partition paper chromatography are quantitatively estd. by using I^{131}. The acid mixt. is revolved on 15 mm. × 280 mm. S & S 598L paper strips with a mixt. of very low Br. no. (0.16) hydrocarbons boiling at 180–90° as stationary, and 90% AcOH satd. with the hydrocarbon as mobile phase in ascending reversed-phase chromatography under N. The hydrocarbon mixt. is applied to the strips as a 20% soln. in freshly distd. Et_2O free of peroxides, the Et_2O being evapd. After chromatography, the strip is dried at 60° for one hr. in N_2, then immersed in 6.5 ml. of a soln. of 0.0022*M* NaI, 0.0044*M* $NaIO_3$ and contg. 5 microcurie/ml. of I^{131} as I^-. The soln. is made 0.025*M* in H_2SO_4, and after immersion for 150 min., the strip is removed and dried overnight at room temp., during which time, excess unbound I^{131} is given off. Distribution of β-activity is detd. by drawing the strip in 2 mm. steps under a 2 mm. × 15 mm. slit in a "Perspex" screen 4 mm. thick located under an end-window Geiger-Müller counter with window thickness 4 mg./sq. cm. Both oleic and linoleic acid give a reproducible linear relation indicative of proportional iodination when integrated spot activity is plotted against amts. of acid (spot content). The method has been used to det. max. spot activity and to relate these to spot content. The method allows detn. of max. spot thickness. Myron N. Lugasch

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

A.Z. Budzynski

Distr: 4E3c/4E3d

Quantitative evaluation of chromatograms by double decomposition with simple radioactive reagents. I. Use of silver-131 iodide in radiometric estimation of organic and phosphoric acids. Z. J. Zubrzycki, A. Z. Budzynski, and J. G. Campbell (Inst. Nuclear Research, Warsaw, Poland). *Talanta* 2, 165–70(1959).—The method of double decompn. radiochromatography has been developed for the radiometric estn. of satd. fatty acids, inorg. phosphates, and glucose-1-phosphates on paper chromatograms, by forming insol. Ag salts on the paper strip, followed by decompn. of the salt with iodide-I^{131}, and radiometry of the $Ag^{131}I$ deposit. Integrated activities of spots are linearly related to spot content for fatty acids and phosphates, but not for glucose-1-phosphate. The max. (peak) spot activity is proportional to the log of spot content for fatty acids and phosphates, but not for glucose-1-phosphate. Bella L. Rosenfeld

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Andrzej Z.: ZUBRZYCKI, Zdzislaw J.

Separation of higher fatty acids from erucic acid means paper chromatography. Chem anal 4 no.5/6:903-908 '59. (EEAI 9:9)

1. Zaklad Ochrony Zdrowia, Pracownia Biochemiczna, Instytut Badan Jadrowych Polskiej Akademii Nauk.
(Fatty acids) (Chromatography) (Erucic acid)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, A

KOWALSKI, F.
SURNAME (in caps); Given Names

11

Country: Poland

Academic Degrees: Prof., dr med

Affiliation: Head of the Clinical Biochemistry Laboratory (Pracownia Biochemii Klinicznej) and the Department of Internal Diseases (Oddział Chorob Wewnetrznych), Institute of Hematology (Instytut Hematologii), Warsaw; Director: KOWALSKI Docent A. TROJANOWSKI, dr med

Source: Warsaw, Przegląd Lekarski, No 5, 1961, p. 212.

Data: "Investigation on the Provocation of the Picture of Dysproteinaemia by the Action of Plasmin on Fibrinogen." (Abstract)

Co-authors:

BUDZYNSKI, A.

KOPEC, Maria, Clinical Biochemistry Laboratory and the Department of Internal Diseases, Warsaw; Director: Prof K. KOWALSKI, dr med

MURAWSKI, K.

LATALLO, Z., Institute of Hematology (Instytut Hematologii), Warsaw; Director: Docent A. TROJANOWSKI, dr med

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POLAND

A.Z. BUDZYNSKI and E. KOWALSKI, Department of Radiobiology and Health Protection, Institute of Nuclear Studies, Polish Academy of Sciences (Zaklad Radiobiologii i Ochrony Zdrowia, Instytut Badan Jedrowych, PAN [=Polska Akademia Nauk],) Warsaw.

"Separation of Breakdown Products of Plasmin-Digested Fibrinogen on DEAE-Cellulose."

Warsaw, Bulletin de l'Academie Polonaise des Sciences, Serie des Sciences Biologiques, Vol 10, No 11, 1962; pp 463-466.

Abstract [English article]: Twelve non-dialysable substances were obtained. Table, starch gel electrophregram, column chromatograms, diagram showing percentage released low molecular products soluble in tungstate or TCA versus incubation time; 3 Western and 4 Polish references.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BAKEROVA, I.P.; BUDZYNSKIY, A.Z. [Budzynski, A.]

Fractionation and characteristics of the early products of fibrinogen proteolysis by plasmin. Biokhimiia 30 no.2:322-326 Mr-Ap '65. (MIRA 18:7)

1. Laboratoriya fiziologii i biokhimii svertyvaniya krovi Moskovskogo gosudarstvennogo universiteta imeni Lomonosova i Otdeleniya radiobiologii i okhrany zdorov'ya Instituta yadernykh issledovaniy Pol'skoy Akademii nauk, Varshava.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

LIPINSKI, B.; BUDZYNSKI, A.Z.; LATALLO, Z.S.; KOWALSKI, E.

Isolation and characterization of cold-insoluble fibrinogen complex from bovine plasma. Acta biochim. Pol. 11 no.4: 527-534 '64.

1. Department of Radiobiology and Health Protection, Institute of Nuclear Research, Warszawa.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Andrzej Z.

Modern views on fibrin stabilizing factor (FSF). Postepy biochem. 11 no.3:295-305 '65.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Andrzej Z.

Action of the fibrin stabilizing factor in hemostasis. Pol. arch. med. wewnet. 35 no.4:553-558 '65.

1. Z Instytutu Badan Jadrowych w Warszawie, Zaklad Radiobiologii i Ochrony Zdrowia (Kierownik: prof. dr. med. E. Kowalski).

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

KSIEZNY, S.; ARDELT, W.; BUDZYNSKI, A.Z.; NIEDZWIECKA-NAMYSLOWSKA, Izabella; WOJTECKA-LUKASIK, Elżbieta

Some properties of elastin degradation products. Acta biochim. Pol. 12 no.4:327-335 '65.

1. Department of Biochemistry, Institute of Rheumatology, Warszawa.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

CZYZEWSKA, Janina; CHRZANOWSKA, Maria; BUDZYNSKA, Agnieszka

Congenital hypothyroidism and thyroid ectopy diagnosed with I-131. Endokr.pol. 14 no.5:409-414 '63.

1. I.Klinika Pediatryczna A.M. we Wroclawiu. Kierownik. prof. dr H. Hirszfeldowa i Pracownia Izotopowa I Kliniki Chirurgicznej A.M. we Wroclawiu. Kierownik: prof. dr. K. Czyzewski oraz Miejska Poradnia Endokrynologiczna dla Dzieci we Wroclawiu. Kierownik: dr A. Budzynska.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Bogdan; ORLOWSKI, Tadeusz

Angioma of the small intextine. Polski przegl. chir. 31 no.6:705-708 June 59.

1. Z Oddzialu Chirurgicznego Wojskowego Szpitala Okregowego we Wroclawiu Ordynator Oddzialu: dr T. Orlowski
(INTESTINE, SMALL, neopl.) (HEMANGIOMA, surg.)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

L 15236-65 AFWL/SSD/ESD(c)/ESD(t)

ACCESSION NR: AP4046794 P/0053/64/000/008/0383/0387

AUTHOR: Budzynski, Gustaw

TITLE: Thermistor with a positive temperature coefficient (PTC)

SOURCE: Przeglad elektroniki, no. 8, 1964, 383-387

TOPIC TAGS: positive temperature coefficient thermistor, negative temperature coefficient thermistor, low frequency oscillation generator, thermistor coupling, multivibrator

ABSTRACT: A thermistor manufactured by the Dutch firm "Philips" has been studied at the Katedra Urzadzen Radiotechnicznych i Telewizyjnych PW (Department of Radiotechnical and Television Equipment PW). The thermistor properties are discussed in detail and the data plotted and tabulated. The possible utilization of the new thermistor as a temperature sensitive element and as a current stabilizer is suggested. Generation of oscillations of very low frequencies in miniature systems of generators with duel excitation by coupling thermistors of positive and negative temperature coefficients is of particular interest. Coupling in series is considered most advantageous for NTC thermistors and coupling in parallel for

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ACCESSION NR: AP4046794

PTC thermistors. The bridge system and the ladder system of coupling are also considered. Orig. art. has: 5 figures.

ASSOCIATION: none

SUBMITTED: 10Apr64 ENCL: 00 SUB CODE: EC, EE

NO REF SOV: 000 OTHER: 003

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APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

SANKIEWICZ, Marianna ; BUDZYNSKI, Gustaw

A method for the uniform linear analysis of transistor oscillators. Lacznosc Gdansk no. 4:167-183 '62.

1. Katedra Radiotechniki Nadawczej, Politechnika, Gdansk

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

SANKIEWICZ, M.; BUDZYNSKI, G.

Transistor oscillator with L-type feedback network. Archiw elektrotech 12 no.2:431-445 '63.

1. Katedra Radiotechniki Nadawczej, Politechnika, Gdansk.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Stanislaw, mgr inż.

Hydraulic press PHL-CME-2 for production from metal powder.
Mechanik 37 no.5:259-260 My '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

PTA
BUDZYNSKI, S.

10

1271 [illegible] 67.3

Budzynski S. **Remarks on the Classification of Raw Hides.**

„Uwagi na temat klasyfikacji skor surowych" *Przegląd Skórzany* No 3, 1951, pp 10–12.

Quality classification of raw hides according to the extent to which a hide can be utilised and to its suitability for particular purposes in leather manufacture. Main principles of such classification: valuation of hides according to yield, determination of the causes of damage in hides; facilitating control over the causes of changes occurring in hides. Necessity for compiling suitable classification standards and for close integration of the work of individual bodies responsible for standardising raw materials and leather manufactures.

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BUDZYNSKI, S.

"Standardization in the Tanning Industry," P. 329. (WIADOMOSCI, Vol. 22, No. 6, June 1954. Warszawa, Poland)

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, No. 1, Jan. 1955, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

[redacted]

[redacted]DZYNSKI, S.

Progress in the economy of Hides. p. 32.
[redacted] ECONOMY, Leds, Vol. 10, no. 7, Feb. 1955.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 4, no. 10, Oct. 1955, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, S.

Economical management of rawhides.

P. 209 (Przeglad Skórany. Vol. 11, no. 9, Sept. 1956. Lodz, Poland)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, W.

The tractor in agriucultural transport. Przegl techn 81 no.3: 11-13 '60.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Wiktor, mgr. inz.

The problem of water balance in German literature. Gosp wodna 22 no.4:151-153 Ap '62.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Wiktor, mgr. inz.

The problem of dirt roads in German agricultural periodicals.
Drogownictwo 16 no. 11:270-272 N 61.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Wiktor, mgr inz.

Water and soil improvement problems in German periodicals. Gosp. wodna 22 no.10:450-452 O '62.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Wiktor, mgr inz.

Sprinlers in the light of German studies and practice.
Gosp wodna 24 no. 2:69-74 F '64.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Zdzislaw, inz.; KURASZKIEWICZ, Edmund, inz.

Electric cooking plate with the heating cable moulded in ceramic mass. Przegl elektrotechn 37 no.12:511 '61.

(Stoves—Electric)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

L 01259-67

ACC NR: AP6029487 SOURCE CODE: PO/0095/66/014/005/0497/0503

49
B

AUTHOR: Budzynski, G.--Budzyn'skiy, G.

ORG: Department of Radiocommunication, Technical University, Gdansk (Katedra Radio-Komunikacji, Politechnika, Gdansk)

TITLE: Series-parallel oscillators

SOURCE: Polska akademia nauk. Bulletin. Serie des sciences techniques, v. 14, no. 5, 1966, 497-503

TOPIC TAGS: oscillator, series parallel oscillator, oscillator theory, circuit, transistorized circuit, oscillation, computer

ABSTRACT: Circuits producing series-parallel oscillations in a non-dimensional self-excited oscillator are discussed; this type has not yet been analyzed in oscillation theory. Linear amplitude conditions are given for this self-excited oscillator and its special features. The results of analysis are confirmed by tests conducted on transistorized and thermistor self-excited oscillators. First, an analog computer was used to analyze various cases of operation of a series-parallel oscillator. Next, several cases were analyzed by graphical methods. Then, the results were compared with those obtained from

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L 01259-67

ACC NR: AP6029487

direct measurements of experimental circuits in series-parallel oscillators. The use of non-linear methods of analysis is inevitable for more precise investigations. Experiments were also made with a series-parallel oscillator of ultralow frequency. One of the merits of the series-parallel oscillators should be emphasized. According to the concept of oscillator-stroke number, due to Le Corbeiller [P. Le Corbeiller, Two-stroke oscillators, IRE Trans. on Circuit Theory (December), (1960), 387-398.], the series-parallel oscillator may be generally classified as an eight-stroke oscillator [M. Sankiewicz, Eight-stroke oscillator, Abh. Deutsche Akad. der Wiss., (1965)]. This should improve the frequency stability of the series-parallel oscillators as compared with conventional four-stroke oscillator circuits. This work was presented by J. Groszkowski (January 20, 1966). The author wishes to express his gratitude to Professor J. Groszkowski for valuable suggestions and kind criticism. He is especially indebted to Professor St. Ryzko for encouragement and guidance during this work. He also expresses his gratitude to Professor L. Knoch for many helpful comments and discussions. Orig. art. has: 7 figures and 24 formulas. [Based on author's abstract.]

[AM]

SUB CODE: 09/ DATE SUBM: none/ OTH REF: 003

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APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKIY, L.

Stanislaw Ruranski, Polish worker. Sov. profsoiuzy 17 no.24:26 D '61. (MIRA 14:12)

1. Glavnyy redaktor zhurnala "Psheglond zvenskovy", Varshava. (Ruranski, Stanislaw) (Warsaw—Open hearth furnaces)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKIY, Leonard [Budzyn'ski, Leonard]

With a thought about Poland's fate. Sov.profsoiuzy 19 no.4: 26-27 F '63. (MIRA 16:2)

1. Glavnyy redaktor zhurnala "Psheglond Zvenskovy". (Poland—Trade unions) (Poland—Economic policy)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUDZYNSKI, Wiktor, mgr inz.

Progress in German water management. Gosp wodna 23 no.3:120-121 Mr '63.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

TALAYEVA, G.V.; BUDZYUK, T.V.; NACHINKIN, O.I.

Selection of anticorrosive materials in the manufacture of "vinol" fiber. Khim.volok. no.3:70-72 '62. (MIRA 16:2)
(Textile fibers, Synthetic)
(Corrosion and anticorrosives)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

TALAYEVA, G. V.; BUDZYUK, T. V.

Manufacture of machine parts from chemically stable titanium and its alloys. Khim. volok. no.6:44-46 '62.
(MIRA 16:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut iskusstvennogo volokna.

(Textile machinery—Corrosion)
(Titanium alloys)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

LITOVSKIY, inzh.; BUEL', inzh.

Repair of the brake valves of ZIL automobiles. Avt.transp. 39 no.2:48 F '61. (MIRA 14:3)

(Automobiles—Brakes)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

VERKHOLOV, V.I.; BUFAL, V.V.

Solar heat received on Lake Baikal. Trudy Lim. inst. 5:179-187 '64.
(MIRA 17:11)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUFALOVA, K. P.; SOKLAKOVA, Ye. V.

Present status and prospects for developing the resources of mineral fertilizers. Sov. geol. 5 no.10:68-74 O '62.
(MIRA 15:10)

1. Vsesoyuznyy geologicheskiy fond.

(Fertilizers and manures)

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUFATIN, O. I.

AUTHORS: Bufatin, O. I., Zaydel', A. N., Kaliteyevskiy, N. I. 75-1-19/26

TITLE: The Spectrochemical Determination of Platinum and Palladium in Uranium (Spektrokhimicheskoye opredeleniye platiny i palladiya v urane)

PERIODICAL: Zhurnal Analiticheskoy Khimii, 1958, Vol 13, Nr 1, pp 116-118 (USSR)

ABSTRACT: In the determination of small quantities of elements of the platinum group in uranium the usual methods of spectral analysis do not lead to success. Therefore a concentration of the elements to be determined must be brought about by chemical methods. According to several authors noble metals are separated from ores by crucible melting with lead. In the analysis of fairly pure samples of uranium, however, this task can be solved much more simply by precipitation of the elements of the platinum group with hydrogen sulfide as sulfides. On that occasion practically all uranium remains in solution. In order to attain a sensitivity of the analysis of about 10^{-4} %, copper was taken as carrier, which possess a good

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collecting action for platinum sulfide. The precipitation took place in a hot 2n-sulfuric solution which contained 0,1 mg Cu on 1g uranium. The sulfides were dissolved in aqua regia and brought onto the surface of a carbon electrode moistened with a solution of polystyrene in benzene. The completeness of the precipitation of platinum and palladium was spectroscopically proved. In the spectroscopic determimation of Pt and Pd in artificial mixtures (10^{-4} - 10^{-2} % Pt and Pd in uranium) a rectilinear dependence of the blackening of the lines of analysis on the logarithm of the concentration of the element to be determined exists. This simple method of the joint precipitation of the sulfides of platinum and palladium with copper sulfide permits a practically complete separation of uranium. In the spectrum of the concentrate no lines of uranium could be proved any long. The spectrum poor in lines of copper does not hinder the spectroscopic determination of platinum and palladium. (Technical data of the apparatus used are then given). For the calibration of the spectrum, copper proved to be useless as reference element, as it falsifies the results of the determination of platinum and palla-

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

The Spectrochemical Determination of Platinum and Palladium in Uranium

dium in uranium samples which are polluted with copper. As another suitable element which is quantitatively precipitated together with copper as sulfide was difficult to find, the standard element was not added to the initial sample, but to the concentrate after the concentration. Gold (0,01 % $AuCl_3$--solution) was taken in a quantity that 2 μ g metallic gold were deposited on the electrode. The lines of analysis of platinum were at 2659,45 Å, and 3421,24 Å respectively, the corresponding reference lines of gold at 2675,95 Å and 3122,78 Å respectively. The somewhat great distance in the wave lengths of the used lines of platinum and palladium plays a minor part, as the accuracy in the determination of such small quantities is comparatively low. This method of calibration diminishes the errors which occur in photographing the spectrum and simplifies the performance of the analysis. Series tests showed that the uncontrollable errors originating from the precipitation of the sulfides are very few. The total error of a determination at concentrations of platinum in uranium of about 10^{-4} % lay below 20 %. It is composed of errors in concentration, of calibration errors and

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

The Spectrochemical Determination of Platinum and Palladium in Uranium

errors in the spectral analysis of the concentrate. By means of the calibration lines platinum in uranium can be identified with a sensitivity of 10^{-4} % and palladium with a sensitivity of 3.10^{-5} %. This method can also be employed for the determination of platinum and palladium on other materials. The most important conditions for applicability is that the chief component of the sample is not precipitable with hydrogen sulfide in a sulfuric solution. Especially the possibility of application for the determination of platinum in a mixture of the rare earth metals was examined. On the introduction of hydrogen sulfide into a solution of the sulfates of the rare earth metals the latter remain in the solution, whereas platinum is precipitated together with the carrier (copper). The sensitivity of the determination is somewhat lower than in the determination of platinum in uranium, as the low solubility of the sulfates of the rare earth metals requires smaller weighed portions of the samples for the analysis. The corresponding experiments were performed by G. G. Kund and P. P. Yakimovoy. There are 1 figure, 1 table, and 3 references, 1 of which is Slavic.

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

75-1-19/26

The Spectrochemical Determination of Platinum and Palladium in Uranium

ASSOCIATION: Leningrad State University imeni A. A. Zhdanov
(Leningradskiy gosudarstvennyy universitet im. A. A. Zhdanova)

SUBMITTED: February 7, 1957

AVAILABLE: Library of Congress

1. Platinum - Determination 2. Palladium - Determination 3. Uranium - Spectrographic analysis

Card 5/5

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

1. BUFAYENKO, P. I.

2. USSR (600)

4. Swine

7. Fattening swine on the Chkalov Collective Farm, Sots. zhiv., 15, No. 2, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

S/080/61/034/002/017/025
A057/A129

AUTHORS: Abramova, Ye.A., Bufetchikova, O.Ya.

TITLE: Investigation of viscose fibers by the method of ethanolysis

PERIODICAL: Zhurnal Prikladnoy Khimii, v 34, no 2, 1961, 416-423

TEXT: The effect of the zinc sulfate concentration in the precipitation bath on the fine structure of fibers obtained from viscose solutions with and without cyclohexylamine admixtures was investigated. The main factor which determines the quality of viscose fibers is the fine structure developed during formation of the fiber. It depends on conditions in the precipitation bath. Investigations by M. Horio et al. (Ref 7: Textile Research J., 17, 264 (1947)), F.F. Morehead, W.A. Sisson (Ref 5: Textile Research J., 15, 12, 443 (1945)), and D.J. Drummond et al. (Ref 8: J. Text. Inst., 50, 3, 262 (1959)) demonstrated that structure of freely spun fibers is similar to the structure of fibers spun by plaiting and stretching. One of the methods for investigating the fine structure of fibers is

Card 1/11

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the kinetic method of hydrolysis in an anhydrous medium. In water-containing media recrystallization of the fiber structure occurs. V.I. Sharkov, I.I. Korol'kova, and A.V. Knupnova (Ref 14: ZhPKh, 32, 3, 519 (1954)) demonstrated that acid hydrolysis of cellulose fibers in absolute alcohol practically eliminates recrystallization of amorphous cellulose. This method was used in the present investigations. The fibers were prepared from viscose solutions with two different degrees (γ) of xanthogenate substitution ($\gamma \approx 30$ and ≈ 80). A type of a low-viscosity Swedish cord cellulose was used and the viscose was prepared under a previously described low-temperature condition (Ref 15: ZhPKh, 29, 253 (1956)). The formation of the single fiber was carried out in a laboratory equipment. Temperature in the precipitation bath was $48\pm0.1^{\circ}C$ and in the plastification bath $80\pm2^{\circ}C$. Principal conditions were presented in Tab. 2. Under similar conditions fibers were obtained with admixtures of cyclohexylamine (1 g/l). Ethanolysis was carried out under soft conditions using 10% H_2SO_4 solutions in ethanol in a sealed ampoule at 100°C, a duration of 20, 40, 60, 180, and 360 min and a hydrolysis factor of 1/30. It can be seen from the results obtained (Tab. 3) that with increasing zinc sulfate

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content in the precipitation bath the amount of amorphous cellulose in the fiber structure increases to a certain limit. Curves of the hydrolyzability of fibers show two maxima (Fig 1). Results concerning the amount of the amorphous fraction in fibers indicate (Tab. 4) that in the presence of cyclohexylamine zinc ions penetrate deeper into the fiber. Experiments with fibers $\gamma \approx 30$ showed (Fig 5) decrease in hydrolyzability compared to fibers with higher γ values. Fibers obtained from viscose with $\gamma \approx 30$ have a heterogeneous structure. The present authors assume the following specific effect of zinc sulfate on the fine structure of fibers: Increase in zinc sulfate amount in the precipitation bath effects an increase in the amorphous fraction due to formation of smaller structural units (crystallites), which form much intercrystallite spaces. Penetration of zinc ions into the bulk of the fiber is promoted by cyclohexylamine. The change in the fine structure of fibers in the region of 60 g/l zinc sulfate can be explained by fusion of small crystallites to bigger structural units. There are 5 figures, 4 tables and 16 references: 5 Soviet-bloc and 11 non-Soviet-bloc.

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Investigation of viscose fibers ...

S/080/61/034/002/017/025
A057/A129

ASSOCIATION: Institut vysokomolekulyarnykh soyedineniy AN SSSR (Institute of High Molecular Compounds of the AS USSR)

SUBMITTED: July 19, 1960

Card 4/11

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

ABRAMOVA, Ye.A.; BUFETCHIKOVA, O.Ya.; NIKITINA, N.P.

Values of density, swelling, and hygroscopicity in dependence on the conditions of fiber formation. Zhur. prikl. khim. 34 no. 12:2746-2754 D '61. (MIRA 15:1)

1. Institut vysokomolekulyarnykh soyedineniy AN SSSR.
(Viscose)

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BUFETOV, V., podpolkovnik, Geroy Sovetskogo Soyuza

A pass to life. Voen.znan. 38 no.5:8 My '62. (MIRA 15:5)
(Military education)

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BUFETOV, V.; SHCHERBAKOVA, O.

Automatic regulation and remote control of temperature in the cooking of sausage products. Mais.ind. SSSR 34 no.1:28-32 '63. (MIRA 16:4)

1. Proyektno-tekhnologicheskiy i nauchno-issledovatel'skiy institut Yaroslavskogo soveta narodnogo khozyaystva.
(Meat industry) (Temperature regulators)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUFEYEV, Aleksey Yakovlevich; SHLEPINA,M.M., redaktor; KIRSANOVA,N.A., tekhnicheskiy redaktor

[Saving eight million rubles] Vosem' millionov rublei ekonomii. [Moskva] Izd-vo VTsSPS Profizdat, 1955. 44 p.
(MLRA 9:4)

1. Nachal'nik instrumental'nogo khozyaystva kholodnoshtampovogo tsekha Kolomenskogo parovozostroitel'nogo zavoda imeni Kuybysheva.
(Efficiency, Industrial)

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

ACC NR: AP6034598 SOURCE CODE: UR/0115/66/000/010/0075/0076

AUTHOR: Akhmatov, A. S.; Bufeyev, V. A.; Korndorf, S. F.; Tkachenko, A. N.

ORG: none

TITLE: A photoamplifier with sliding contactless photopotentiometer

SOURCE: Izmeritel'naya tekhnika, no. 10, 1966, 75-76

TOPIC TAGS: photomultiplier, image amplification, circuit design

ABSTRACT: A new design of a photoamplifier is reported in which a sliding contactless photopotentiometer serves as the photosensitive element. The basic circuit diagram of the photoamplifier is shown in Fig. 1. The principle of operation of the proposed amplifier is as follows: with the aid of lens L and mirror galvanometer G, slot D is projected on the photosensitive layer of the potentiometer producing a conducting bridge on it. When the amplified signal current is not flowing through the galvanometer, the slot image is in the central position; in this case the resistance of the resistive layer is split in two parts (i.e., the output voltage across the load R_n is equal to zero). When the amplified signal current is flowing through the potentiometer, the galvanometer mirror is deflected as a result of which the slot image is shifted to one or to the other side acting as a sliding optical contact. Because of this, at the output of the circuit there will be a current flowing through the mirror galvanometer and to the voltage in the photopotentiometer. The photoamplifier circuit

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ACC NR: AP6034598

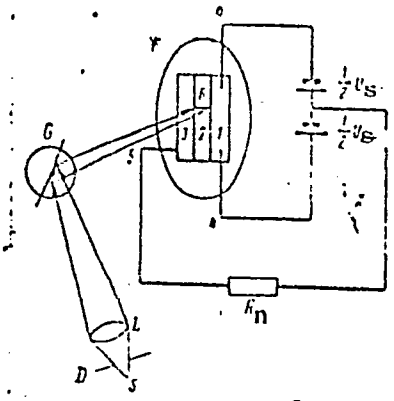

Fig. 1. Photoamplifier

F - Potentiometer; S - light source; D - slot diaphragm; L - focusing lens; G - mirror galvanometer; 1 - resistive layer; 2 - photosensitive layer; 3 - conducting slip ring; 4 - resistive layer leads; 5 - slip ring lead; 6 - slot image on the photosensitive layer; U_s - ac or dc power supply source; R_n - load resistance.

has the following advantages over the existing ones: 1) high linearity of the amplitude characteristic, 2) higher gain with respect to current and voltages, 3) the gain is not affected by unavoidable voltage and current fluctuations in the power supply circuit of the light source, and 4) the sensitivity threshold of the amplifier is determined by the sensitivity threshold of the mirror galvanometer. Orig. art. has: 3 figures.

SUB CODE: 09/ SUBM DATE: 11May66/ ORIG REF: 007/ OTH REF: 001

Card 2/2

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"APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5

BUFF L. S.

ARSEN'YEV, Aleksey Aleksandrovich; BUFF, Lezar' Samoylovich; LEYTES, Aleksandr Moiseyevich; LEVITSKIY, O.D., otvetstvennyy red.; IL'INA, N.S., red.izd-va; RYLINA, Yu.V., tekhn.red.

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(Chita Province—Geology)

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JARKA, Josef, dr.; BUFFI, Josef

Methods of controlling the profitableness of ordinary and decorative stone mining. Geol pruzkum 6 no.12:373-374 D '64.

1. Unit of Technical and Economic Development of the Branch Center of Geologic Methods, Brno.

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CZECHOSLOVAKIA

BUFKA, J.

Division of Work Hygiene of OHES (Odbor hygieny prace OHES), Most

Prague, Ceskoslovenska hygiena, No 6, 1963, pp 340-343

"The Occurrence of 3,4-benzpyrene in the Atmosphere of the City of Most and of the Coal Mine of the Most District."

APPROVED FOR RELEASE: 06/09/2000 CIA-RDP86-00513R000307320001-5"

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The occurrence of 3,4-benzpyrene in the atmosphere of the city Most and of the coal mines of the Most District. Cesk. hyg. 8 no.6:340-344 Jl '63.

1. Odbor hygieny prace OHES, Most.
(AIR POLLUTION) (BENZOPYRENES) (COAL MINING)

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PIRK, F.; BELAN, A.; TRAVNICEK, R.; BUDINOVA-SMELA, J.; FRYNTOVA, A.: technicke spoluprace BUFKA, L.; KRIZOVE, M.; KUBIASOVE, E.; KUTILA, L.

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BUFNEA, Teodor, corespondent

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BUFNEA, Teodor, corespondent

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BUFNEA, Teodor, corespondent

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L 34536-65 EWT(d)/EED-2/EWP(1) Po-4/Pq-4/Pg-4/Pk-4 IJP(c) GG/BB 27

ACCESSION NR: AP5000039 S/0286/64/000/021/0050/0051

AUTHORS: Buga, N. N.; Izraylit, I. M.

TITLE: A way to generate an interference-free binary group code. Class 42, No. 166166

SOURCE: Byul. izobr. i tovar. znakov, no. 21, 1964, 50-51

TOPIC TAGS: binary code, code converter, interference control, error correcting code, commutator

ABSTRACT: This Author Certificate presents a generation method for an interference-free binary group code designed to correct errors of any specified multiplicity. The method employs the commutation of periodic pulse sequences, generated by systems of frequency division of the pulses, into two nonperiodic pulse sequences. The resulting nonperiodic sequences are used as a generatrix. With the summation of these sequences, an information alphabet of modulus "two" is formed.

ASSOCIATION: none

SUBMITTED: 25Jul62

SUB CODE: DP ENCL: 00

Card 1/1 NO REF SOV: 000 OTHER: 000

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